

LOAD SENSING VOLTAGE REGULATOR
FOR PLL/DLL ARCHITECTURES

5

ABSTRACT OF THE DISCLOSURE

10 An apparatus includes a voltage regulator operable
to regulate a supply voltage to an on-chip module having
an operational current, draw a supply current, and supply
the operation current to the on-chip module. The supply
current drawn by the voltage regulator is proportional to
the operating current of the on-chip module.